

# Curriculum Vitae

Nicolas Debarsy

July 2018

## Contact

Université de Lille Sciences et Technologies  
Building SH2, Office 104  
F-59655 Villeneuve-d'Ascq  
E-mail: nicolas.debarsy@cnrs.fr  
Tel: +33 (0) 3 20 43 65 18

## Current position

**2017** – CNRS research fellow (CR1), Lille Economie et Management, UMR CNRS 9221

## Past positions

**2012** – **2016** CNRS research fellow (CR2), Laboratoire d'Economie d'Orléans, UMR CNRS 7322

**2011-2012** Post-doc LEO - UMR 7322 and Centre de recherche en Economie Régionale et Politique Economique (CERPE), University of Namur (Belgium)

## Education

**2007 -2011** Ph.D in Economics. Supervisors: Profs. Vincenzo Verardi (University of Namur) and Cem Ertur (University of Orléans, France). Dissertation title: "Essays in spatial autoregressive panel data models". Ph.D grant of the FRS - FNRS (Fonds National de la Recherche Scientifique). Committee: Lung-fei Lee (Ohio State University), Cem Ertur (University of Orléans), Vincenzo Verardi (University of Namur), Romain Houssa (University of Namur), Marcus Dejardin (University of Namur).

**2006-2007** Master of Arts in Economics, University of Namur and Université catholique de Louvain. Thesis title: "Testing panel data regression models with spatial error correlation, reproduction and further results".

## Publications

### Articles in international peer reviewed journals

- Debarsy N., Z. Yang (2018), “New Advances in Spatial Econometrics: Interactions Matter”, Lead article, *Regional Science and Urban Economics*, forthcoming.
- Debarsy N., J. LeSage, (2018), “ Flexible dependence modeling using convex combinations of different types of connectivity structures", *Regional Science and Urban Economics*, 69, 48–68.
- Debarsy N., C. Dossougoin, C. Ertur, JY Gnabo (2018), “Measuring sovereign risk spillovers and assessing the role of transmission channels: A spatial econometrics approach", *Journal of Economic Dynamics and Control*, 87, 21–45.
- Debarsy N., JY Gnabo, M. Kerkour (2017), “Sovereign Wealth Funds’ cross-border investments: assessing the role of country-level drivers and spatial competition", *Journal of International Money and Finance*, 76, 68–87.
- Debarsy N., F. Jin, L-f Lee (2015), “Large sample properties of the MESS with an application to FDI, *Journal of Econometrics*, 188,1-21.
- Debarsy N. (2012), “The Mundlak approach in the spatial Durbin panel data model”, *Spatial Economic Analysis*, 7, 109-131.
- Debarsy N., C. Ertur, JP. LeSage (2012), “Interpreting dynamic space-time panel data models", *Statistical Methodology*, 9, 158-171.
- Verardi V., N. Debarsy (2012), “Robinson’s square root of N consistent semiparametric regression estimator in Stata”, *The Stata Journal*, 22, 726-735.
- Debarsy N., C. Ertur (2010), “Testing for spatial autocorrelation in a fixed effects panel data model", *Regional Science and Urban Economics*, 40, 453-470.

### Working papers

- Debarsy N., C. Ertur (2016), “Interaction matrix selection in heteroskedastic spatial econometric models, DR LEO 2016-05, R&R.

### Works in progress

- Debarsy N., J. LeSage (2017), “Efficient estimation of spatial regression models based on convex combinations of different types of weight matrices ", mimeo
- Debarsy N., C. Ertur, M Ruiz (2015), Spatial runs test, mimeo.
- Debarsy N, X. Qu (2015), Endogenous interaction matrix in Matrix Exponential Spatial Specification, mimeo.

### Interdisciplinary work

- Debarsy N, S. Cordier, C. Ertur, F. Nemo, D. Nourrit, G. Poisson, Ch. Vrain (2017), “Understanding Interactions in Complex Systems: Toward a Science of Interaction", Cambridge Scholar Publishing. ISBN 978-1-4438-9496-8

## Other works

- Debarsy N., V. Verardi (2010), "Estimating nonlinearities in spatial autoregressive models", mimeo.
- Debarsy N., M. Dejardin (2008), "What do we know about spatial entry", *Jena Economic Research Paper*, 2008-029.
- Debarsy N., C. Ertur (2006), "The European Enlargement Process and Regional Convergence Revisited: Spatial Effects Still Matter", mimeo.

## Teaching Activities

- 2017–** Spatial Econometrics, Master 2, Université de Lille.
- 2015 – 2016** Introduction to L<sup>A</sup>T<sub>E</sub>X, PhD course, Université d'Orléans
- 2015** Spatial econometrics, Master 1, Université d'Orléans
- 2013 –** Spatial econometrics, Master 2, Université de Corte
- 2012 – 2015** Introductory Econometrics, Licence 3, Université d'Orléans
- 2012 –2016** Econometrics of panel data, Master 2, Université de Besançon

## Grants - awards

- 2017** Regional Studies Association Best Referee Award for the journal *Spatial Economic Analysis*.
- 2015** The paper entitled “ The Mundlak Approach in the Spatial Durbin Panel Data Model” has been selected by the Editor of the international peer-reviewed journal *Spatial Economic Analysis* as part of the list of the most influential papers published in *Spatial Economic Analysis* since its creation, in 2005. The list is composed of 20 papers.
- 2013** Regional Studies Association Best Paper Award for the journal *Spatial Economic Analysis* for the paper “The Mundlak Approach in the Spatial Durbin Panel Data Model”
- 2011** Award of the Best Young Spatial Econometrician’s Paper, received from the Spatial Econometrics Association (SEA) for the paper: “The Mundlak approach in the spatial Durbin panel data model”
- 2010** Member of a round table devoted to the teaching of spatial econometrics during the 4th World Conference of the Spatial Econometrics Association (Chicago, USA)
- 2008** Major of the Summerschool organized by the Spatial Econometrics Association (Rome, Italy), (eur 1500).

## Scientific and Pedagogic Responsibilities

- 2016 – 2021** Elected member of the Section 37 of the "*Comité National de la Recherche Scientifique*"
- 2013 – 2017** Member of the direction committee of the "Maison Interdisciplinaire des Systèmes Complexes" (website)
- 2016 –** Member of the PhD supervision committee of Yuheng Ling (Université de Corte Pasquale Paoli).
- 2014 – 2018** Co-supervisor with Sophie Béreau (Associate Professor at the Catholic University of Louvain - Belgium) of the PhD thesis of Cyrille Dossougoin. PhD title: "A spatial econometrics approach of financial complexity". Expected year of the defense : 2018.
- 2015 –2018** Supervision (10%) of the PhD thesis of Marie Pierre Hory (LEO - UMR CNRS 7322).

## Financed research projects

- 2014 – 2018** Appel à Projets Région Centre Val de Loire - Intéret régional. Croissance, Optimisation, Economie, Urbanisation, Réseau (BINS-COEUR). Coordinator: Athanasios Batakis (MAPMO - UMR 7349 CNRS). Partner, 200.000 €.
- 2014 – 2018** Appel à Projets Région Centre Val de Loire - Initiative académique. "Mondialisation, Economie Spatiale et Interactions" (MESI). Principal Coordinator, 142.000 €
- 2014 – 2018** Maison des Sciences de l'Homme - Val de Loire. INTERACT. Coordinator, 6000 €.
- 2014** Renewal of the project PEPS HuMaIn grant obtained in 2013 as coordinator entitled: "Validation et études des Interactions, Techniques Statistiques et Analyse des Modèles appliqués aux Image Naturelles et à l'Econométrie Spatiale", 3000 €.
- 2013** Coordinator of the project "Validation et études des Interactions, Techniques Statistiques et Analyse des Modèles appliqués aux Image Naturelles et à l'Econométrie Spatiale", grant from project PEPS HuMaIn (CNRS), 4000 €.
- 2007** Grant from the National bank of Belgium for the project: "Exploring Spatial Interactions: Pecuniary Externalities vs. Informational Spillovers", joined with M. Dejardin, 5300 €.

## Conferences

### Organization

I mention here all conferences in which I was involved as part of the organizing committee.

- 2017** 1<sup>st</sup> International Conference on Econometrics and Statistics, Hong-Kong, Organization of a special session on Spatial Econometrics and Statistics with Sophie Dabo (University of Lille 3) (website)
- 2017** Lille Research Workshop on Statistics and Econometrics, Lille (website)

- 2016** 15<sup>th</sup> International Workshop on Spatial Econometrics and Statistics, Orléans (website).
- 2016** 5<sup>th</sup> PhD Student Conference in International Macroeconomics and Financial Econometrics, Université Paris Ouest Nanterre La Défense (website).
- 2015** 7<sup>th</sup> French Econometrics Conference, Orléans (website)
- 2015** 4<sup>th</sup> PhD Student Conference in International Macroeconomics and Financial Econometrics, Université Paris Ouest Nanterre La Défense (website).
- 2014** Joint UNamur-UCL Winter school and Workshop on Networks in Economics and Finance (website).
- 2013** International conference on Interactions in Complex Systems, Orléans.
- 2013** 12th International Workshop in Spatial Econometrics and Statistics.
- 2011** Recent advances in Spatial Econometrics, Theory and empirics, Namur, Belgium.
- 2010** 9th International Workshop Spatial Econometrics and Statistics, Orléans.

### **Scientific committees**

- 2018** 17<sup>th</sup> International Workshop on Spatial Econometrics and Statistics, Avignon (website).
- 2017** 1<sup>th</sup> International Conference on Econometrics and Statistics, Hong-Kong. Organization of a special session with Sophie Dabo (University of Liile 3) on Spatial Econometrics and Statistics (website)
- 2017** 16<sup>th</sup> International Workshop on Spatial Econometrics and Statistics, Avignon (website).
- 2016** 15<sup>th</sup> International Workshop on Spatial Econometrics and Statistics, Orléans (website).
- 2016** 5<sup>th</sup> PhD Student Conference in International Macroeconomics and Financial Econometrics, Université Paris Ouest Nanterre La Défense (website).
- 2015** INFER Workshop on Spatial Analysis in Energy, Environmental and Innovation Economics (website)
- 2015** 7<sup>th</sup> French Econometrics Conference, Orléans (website)
- 2015** 14<sup>th</sup> International Workshop on Spatial Econometrics and Statistics, Université Panthéon-Assas.
- 2015** 4<sup>th</sup> PhD Student Conference in International Macroeconomics and Financial Econometrics, Université Paris Ouest Nanterre La Défense (website).
- 2014** Joint UNamur-UCL Winter school and Workshop on Networks in Economics and Finance (website).
- 2014** 13<sup>th</sup> International Workshop in Spatial Econometrics and Statistics, University of Toulon.
- 2013** : International conference on Interactions in Complex Systems, Orléans.
- 2013** 12<sup>th</sup> International Workshop in Spatial Econometrics and Statistics, Orléans.

## Participation

I report here the conferences where I presented a paper.

- 2018** Keynote speaker for the 17<sup>th</sup> International Workshop on Spatial Econometrics and Statistics, Dijon.
- 2017** 10<sup>th</sup> International Conference of the ERCIM WG on Computational and Methodological Statistics, London, website
- 2017** 61<sup>st</sup> World Statistics Congress, Marrakesh (Morocco). website
- 2017** Lille Research Workshop on Statistics and Econometrics, Lille (website)
- 2017** 1<sup>th</sup> International Conference on Econometrics and Statistics ,Hong-Kong. (website)
- 2017** 16<sup>th</sup> International Workshop on Spatial Econometrics and Statistics, Avignon.
- 2016** Asian Meeting of the Econometric Society, Kyoto (Japan)
- 2016** X<sup>th</sup> World Conference of the Spatial Econometrics Association, Rome (Italy)
- 2015** 26<sup>th</sup> EC2 conference on theory and Practice of Spatial Econometrics (Edinburgh, Scotland).
- 2015** 7<sup>th</sup> French Econometric Conference (Orléans, France).
- 2015** 8<sup>th</sup> Jean Paelinck Seminar (Dijon, France).
- 2015** 14<sup>th</sup> International Workshop on Spatial Econometrics and Statistics, Université Panthéon-Assas.
- 2014** North American Summer Meeting of the Econometric Society (Minneapolis – USA)
- 2014** Workshop on Real Estate Economics and Finance (Frankfurt – Germany)
- 2013** 6<sup>th</sup> Seminar Jean Paelinck (Madrid, Spain).
- 2013** 12<sup>th</sup> International workshop on Spatial Econometrics and Statistics (Orléans, France).
- 2012** 11<sup>th</sup> International workshop on Spatial Econometrics and Statistics (Avignon, France).
- 2011** 5<sup>th</sup> World Conference of the Spatial Econometrics Association (Toulouse, France).
- 2010** 9<sup>th</sup> International Workshop on Spatial Econometrics and Statistics (Orléans, France).
- 2010** 4<sup>th</sup> World Conference of the Spatial Econometrics Association (Chicago, USA).
- 2009** 56<sup>th</sup> North American Regional Science Association International Conference (San Francisco, USA).
- 2009** 3<sup>th</sup> World Conference of the Spatial Econometrics Association (Barcelona, Spain).
- 2009** 15<sup>th</sup> Conference on Panel Data (Bonn, Germany).

## Seminars

- 2018 Seminar of the Economics Department of Texas State University
- 2017 GREQAM Seminar (Aix-Marseille University)
- 2017 Seminar of the Economics Department of Antai College of Economics and Management, Shanghai Jiao Tong University, China.
- 2016 Seminar of the Economics Department of University of Modena (Italy)
- 2016 Seminar of the Economics Department of University of Innsbruck (Austria)
- 2015 5<sup>th</sup> Shanghai Econometrics Workshop (Shanghai, China)
- 2015 Seminar of the “Maison des Sciences de l’Homme”, Tours (France)
- 2015 Seminar of the “Maison Interdisciplinaire des Systèmes Complexes”, Orléans (France)
- 2014 Seminar of the Economics Department of University of Luxembourg (Luxembourg)
- 2014 Seminar of the Economics Department, Toulouse School of Economics (France)
- 2014 Seminar of the Economics Department, University of Caen (France)
- 2014 Seminar of the Economics Department, Université de Bourgogne (France)
- 2013 Seminar of the Economics Department, University of Murcia (Spain)
- 2013 Seminar of the “AMISC” (Analyse et Modélisation des Interactions dans les Systèmes Complexes) project, Orléans (France)
- 2011 Seminar of the Economics Department of University of Innsbruck (Austria)
- 2011 Econometrics/trade and Economic geography Seminar, CORE, Catholic University of Louvain (Belgium)
- 2011 Seminar of the Economics Department, University of York (UK)

## Refereeing activities

Applied Economics, Economic Letters, Empirical Economics, Geographical Analysis, International Economics, International Regional Science Review, International Review of Economics and Finance, Journal of Business % Economic Statistics, Journal of Development Economics, International Journal of Forecasting, Papers in Regional Science, Regional Science and Urban Economics, Revue d’Economie Régionale et Urbaine, Spatial Economic Analysis.

## Visiting

- 2018 Research Stay at Texas State University, USA.
- 2016 Research Stay at University of Namur, Belgium.
- 2015 Research Stay at University of Namur, Belgium.

**2014** Research stay at University of Murcia, Spain

**2014** Research stay at University of Namur, Belgium.

**2014** Research Stay at European Business School, Frankfort, Germany.

**2014** Research stay at University of Franche-Comté, France.

**2013** Research Stay at European Business School, Frankfort, Germany.

**2013** Research stay at University of Murcia, Spain.

**2012** Research stay at Ohio State University (USA) to work with Professor Lung-fei Lee (6 months).